

Liqing Chen

List of Publications by Year in descending order

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623734

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478
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructures and Mechanical Properties of a New Multi-functional 460MPa Grade Construction Structural Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1131-1142.	2.9	7
2	Achieving Excellent Strength-Ductility Balance and Lower Yield Ratio in a 690MPa Grade Multiphase Construction Steel. <i>Steel Research International</i> , 2022, 93, .	1.8	2
3	The mechanism of fire resistance of a low carbon high-strength multi-functional steel for building construction. <i>Journal of Materials Science</i> , 2022, 57, 7706-7718.	3.7	3
4	Structure and Electrochemical Behavior of the Rust on 690 MPa Grade Construction Steel in a Simulated Industrial Atmosphere. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 3044-3056.	2.2	4
5	Structure-Mechanical Property-Formability Relationships for 444-Type W-Containing Ferritic Stainless Steels. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 467-478.	2.5	4
6	On the Microstructural Strengthening and Toughening of Heat-Affected Zone in a Low-Carbon High-Strength Cu-Bearing Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 617-627.	2.9	10
7	The role of copper in microstructure and toughness of intercritically reheated coarse grained heat affected zone in a high strength low alloy steel. <i>Materials Characterization</i> , 2021, 181, 111511.	4.4	13
8	Effect of simulated cooling time on microstructure and toughness of CGHAZ in novel high-strength low-carbon construction steel. <i>Science and Technology of Welding and Joining</i> , 2020, 25, 169-177.	3.1	16
9	Precipitation Behavior of Laves Phase in the Vicinity of Oxide Film of Ferritic Stainless Steel: Selective Oxidation-Induced Precipitation. <i>Oxidation of Metals</i> , 2020, 93, 195-213.	2.1	15
10	Laves phase precipitation behavior and high-temperature strength of W-containing ferritic stainless steels. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2127-2135.	5.8	18
11	Microstructural Characteristics and Impact Fracture Behaviors of a Novel High-Strength Low-Carbon Bainitic Steel with Different Reheated Coarse-Grained Heat-Affected Zones. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 6258-6268.	2.2	18
12	On the role of Cu addition in toughness improvement of coarse grained heat affected zone in a low carbon high strength steel. <i>Journal of Materials Science</i> , 2020, 55, 10863-10877.	3.7	10
13	Significant Grain Refinement in the Simulated Heat-Affected Zone (HAZ) of Ferritic Stainless Steels by Alloying with Tungsten. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 2719-2723.	2.2	3
14	Tailoring Mechanical Properties of a Low Carbon Cu-Containing Structural Steel by Two-Step Intercritical Heat Treatment. <i>Metals and Materials International</i> , 2019, 25, 1477-1487.	3.4	8
15	Understanding the Role of Copper Addition in Low-Temperature Toughness of Low-Carbon, High-Strength Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 5627-5639.	2.2	15
16	The Role of Intercritical Annealing in Enhancing Low-temperature Toughness of Fe-C-Mn-Ni-Cu Structural Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 2912-2921.	2.2	13
17	Prior Warm Deformation Dependence on Microstructural Evolution and Tensile Properties of a High-Mn Steel. <i>Jom</i> , 2019, 71, 1303-1312.	1.9	0
18	Effect of W and Ce additions on the electrochemical corrosion behaviour of 444-type ferritic stainless steel. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 199-205.	1.4	19

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19	An investigation of cobalt phase structure in WC-Co cemented carbides before and after deep cryogenic treatment. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 51, 201-206.	3.8	33
20	Microstructures and Mechanical Properties of a Wear-Resistant Alloyed Ductile Iron Austempered at Various Temperatures. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 3627-3634.	2.2	15
21	Influence of Deep Cryogenic Treatment on Microstructures and Mechanical Properties of an Ultrafine-Grained WC-12Co Cemented Carbide. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 894-900.	2.9	32
22	Processing, Microstructures and Mechanical Properties of Ultra-high Strength Steel Sheet. <i>Procedia Engineering</i> , 2014, 81, 84-89.	1.2	5
23	Microstructures and High-Temperature Mechanical Properties of a Martensitic Heat-Resistant Stainless Steel 403Nb Processed by Thermo-Mechanical Treatment. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 1498-1507.	2.2	23
24	Dependence of Grain Size on Mechanical Properties and Microstructures of High Manganese Austenitic Steel. <i>Procedia Engineering</i> , 2014, 81, 143-148.	1.2	31
25	Processing, Microstructures, and Mechanical Properties of Magnesium Matrix Composites: A Review. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 762-774.	2.9	77
26	Microstructure and Mechanical Properties of a Wear-Resistant As-Cast Alloyed Bainite Ductile Iron. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 476-482.	2.9	14
27	Effect of Isothermal Temperature on Microstructure and Mechanical Properties of High Al-Low Si TRIP Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 389-394.	2.9	9
28	High-temperature Oxidation Behavior of a High Manganese Austenitic Steel Fe-25Mn-3Cr-3Al-0.3C-0.01N. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 401-406.	2.9	17
29	Effect of Cerium on High-Temperature Oxidation Resistance of 00Cr17NbTi Ferritic Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 501-507.	2.9	23
30	Some aspects of high manganese twinning-induced plasticity (TWIP) steel, a review. <i>Acta Metallurgica Sinica (English Letters)</i> , 2013, 26, 1-15.	2.9	137